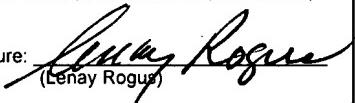


I hereby certify that this paper is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: May 23, 2007

Signature:



Patent

Docket No. 564462006801

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Nelson R. BARTON et al.

Serial No.: 10/593,846

Filing Date: (Int'l) March 24, 2005

For: CHIMERIC CANNULAE PROTEINS,  
NUCLEIC ACIDS ENCODING THEM  
AND METHODS FOR MAKING AND  
USING THEM

Examiner: Not Yet Assigned

Group Art Unit: 1556

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the foreign document and non-patent literature documents are submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

- With the application; accordingly, no fee or separate requirements are required.
- Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - A fee is required. A check in the amount of \_\_ is enclosed.
  - A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_ is enclosed.
  - A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

(iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 564462006801.

Dated: May 23, 2007

Respectfully submitted,

By /Gregory P. Einhorn/  
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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/593,846
				Filing Date	(Int'l) March 24, 2005
				First Named Inventor	Nelson R. BARTON
				Art Unit	1556
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	564462006801

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1.	US-5,167,824	12/1992	Cohen et al.		
2.	US-5,629,020	05/1997	Leone-Bay et al.		
3.	US-5,851,536	12/1998	Yager et al.		
4.	US-5,955,343	09/1999	Holmes et al.		
5.	US-5,985,577	11/1999	Bulinski		
6.	US-6,048,736	04/2000	Kosak		
7.	US-6,083,902	07/2000	Cederhom-Williams		
8.	US-2003/0198681	10/2003	Short et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
9.	WO-02/44336		06/2002	Short et al.	T <sup>6</sup>

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
10.	KONIG et al., FEMS Microbiology Letters (1988) 49:207-212				T <sup>2</sup>
11.	PLEY et al., System Appl. Microbiol. (1991) 14:245-253				
12.	RIEGER et al., Arch. Microbiol. (1997) 168:373-379				
13.	RIEGER et al., J. Struct. Biol. (1995) 115:78-87				
14.	SEFFERNICK et al., Journal of Bacteriology (2001) 183:2405-2410				
15.	STETTER, Nature (1982) 300:258-260				
16.	STETTER et al., Syst. Appl. Microbiol. (1983) 4:535-551				
17.	WELLS, Biochemistry (1990) 29:8509-8517				
18.	International Search Report for PCT/US05/09927, mailed on November 7, 2005, 1 page				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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sd-368723